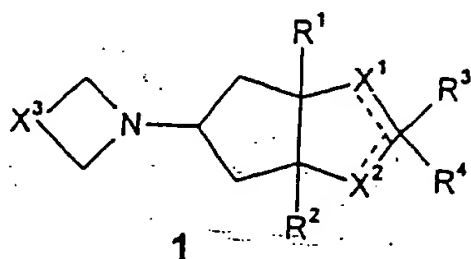


**IN THE CLAIMS:**

1. (Currently Amended): A method of preventing a condition selected from the group consisting of psychosis, affective psychosis, ~~nonorganic~~ non-organic psychosis, personality disorders, schizophrenic and schizoaffective disorders, bipolar disorders, dysphoric mania, Parkinson's disease, extrapyramidal side effects from ~~neuroleptic~~ neuroleptic agents, neuroleptic malignant syndrome, tardive dyskinesia, nausea, emesis, hyperdermia and amenorrhea in a mammal comprising administering to a ~~preventing mammal an~~ effective amount of ~~said mammal~~ a compound of the formula



or a pharmaceutically acceptable salt or solvate thereof wherein:

each dashed line in the above formula represents an optional double bond, provided both dashed lines do not simultaneously represent a double bond;

X<sup>1</sup> and X<sup>2</sup> are each independently selected from O and -(CH<sub>2</sub>)<sub>j</sub>- wherein j is 1 or 2, provided that no O is doubly-bonded to an adjacent atom;

X<sup>3</sup> is -CH(R<sup>5</sup>)N(R<sup>6</sup>)CH(R<sup>6</sup>)-, -CH(R<sup>5</sup>)C(R<sup>8</sup>)(R<sup>9</sup>)CH(R<sup>6</sup>)-, -C(R<sup>5</sup>)=C(R<sup>8</sup>)CH(R<sup>6</sup>)-, or -CH(R<sup>5</sup>)C(R<sup>8</sup>)=C(R<sup>6</sup>)-;

R<sup>1</sup> and R<sup>2</sup> are each independently H, hydroxy or C<sub>1</sub>-C<sub>6</sub> alkyl;

or R<sup>1</sup> and R<sup>2</sup> are taken together as a bond;

each  $R^3$  is independently selected from  $-S(O)_jR^7$  wherein  $j$  is an integer ranging from 0 to 2,  $-C(O)R^7$ ,  $-OR^7$ ,  $-NC(O)R^7$ ,  $-NR^7R^{12}$ , and the substituents provided in the definition of  $R^7$  other than H;

$R^4$  is absent where the dashed line in the above formula 1 represents a double bond or  $R^4$  is selected from H and the substituents provided in the definition of  $R^3$ ;

or  $R^3$  and  $R^4$  are taken together with the carbon atom to which each is attached to form a 5-10 membered mono-cyclic or bicyclic group wherein said cyclic group may be carbocyclic or heterocyclic with 1 to 3 heteroatoms selected from O, S, and  $-N(R^{11})-$  with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; said cyclic group is saturated or partially unsaturated; aromatic or non-aromatic; 1 or 2 of the carbon atoms in said cyclic group optionally may be replaced by an oxo  $-C(O)-$  moiety; and said cyclic group is optionally substituted by 1 to 3  $R^{10}$  groups;

$R^5$  and  $R^6$  are each independently selected from H and  $C_1-C_4$  alkyl;

or  $R^5$  and  $R^6$  are taken together as  $-(CH_2)_q-$  wherein  $q$  is 2 or 3;

or  $R^5$  or  $R^6$  is taken together with  $R^8$  as defined below;

each  $R^7$  is independently selected from H,  $-(CH_2)_t(C_6-C_{10} \text{ aryl})$  and  $-(CH_2)_t(4-10 \text{ membered heterocyclic})$ , wherein  $t$  is an integer ranging from 0 to 5; 1 or 2 of the carbon atoms of said heterocyclic group optionally may be replaced with an oxo  $-C(O)-$  group; said aryl and heterocyclic  $R^7$  groups are optionally fused to a benzene ring, a  $C_5-C_8$  saturated cyclic group, or a 4-10 membered heterocyclic group; the -

(CH<sub>2</sub>)<sub>t</sub>- moieties of the foregoing R<sup>7</sup> groups optionally include a carbon-carbon double or triple bond where t is an integer between 2 and 5; and the foregoing R<sup>7</sup> groups, except H, are optionally substituted by 1 to 5 R<sup>10</sup> groups;

R<sup>8</sup> is selected from the substituents provided in the definition of R<sup>7</sup> other than H;

R<sup>9</sup> is selected from the substituents provided in the definition of R<sup>7</sup>;

or R<sup>8</sup> and R<sup>9</sup> are taken together with the carbon to which each is attached to form a 5-10 membered mono-cyclic or bicyclic group wherein said cyclic group is carbocyclic or heterocyclic with 1 to 3 heteroatoms selected from O, S, and -N(R<sup>11</sup>)- with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; saturated or partially unsaturated; aromatic or non-aromatic; 1 or 2 of the carbon atoms in said cyclic group optionally may be replaced by an oxo -C(O)- moiety; and said cyclic group is optionally substituted by 1 to 3 R<sup>10</sup> groups;

or R<sup>8</sup> taken together with either R<sup>5</sup> or R<sup>6</sup> and the separate carbon atoms to which each is attached to form a fused 5-10 membered mono-cyclic or bicyclic group wherein said cyclic group may be carbocyclic or heterocyclic with 1 to 3 heteroatoms selected from O, S, and -N(R<sup>11</sup>)- with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; saturated or partially unsaturated; aromatic or non-aromatic; 1 or 2 of the carbon atoms in said cyclic group optionally may be replaced by an oxo -C(O)- moiety; and said cyclic group is optionally substituted by 1 to 3 R<sup>10</sup> groups;

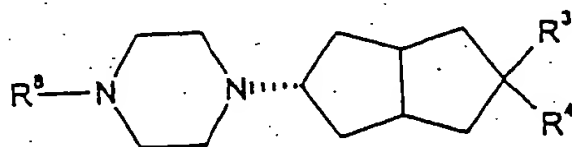
each  $R^{10}$  is independently selected from  $C_1$ - $C_{10}$  alkyl,  $C_2$ - $C_{10}$  alkenyl,  $C_2$ - $C_{10}$  alkynyl, halo, cyano, nitro, trifluoromethyl, trifluoromethoxy, azido,  $-OR^{11}$ ,  $-C(O)R^{11}$ ,  $-C(O)OR^{11}$ ,  $-NR^{12}C(O)OR^{11}$ ,  $-OC(O)R^{11}$ ,  $-NR^{12}SO_2R^{11}$ ,  $-SO_2NR^{11}R^{12}$ ,  $-NR^{12}C(O)R^{11}$ ,  $-C(O)NR^{11}R^{12}$ ,  $-NR^{11}R^{12}$ ,  $S(O)_j(C_1-C_6 \text{ alkyl})$  wherein  $j$  is an integer ranging from 0 to 2,  $-(CH_2)_m(C_6-C_{10} \text{ aryl})$ ,  $SO_2(CH_2)_m(C_6-C_{10} \text{ aryl})$ ,  $S(CH_2)_m(C_6-C_{10} \text{ aryl})$ ,  $-O(CH_2)_m(C_6-C_{10} \text{ aryl})$  and  $-(CH_2)_m(4-10 \text{ membered heterocyclic})$ , wherein  $m$  is an integer ranging from 0 to 4; said  $C_1$ - $C_{10}$  alkyl group optionally contains 1 or 2 hetero moieties selected from O, S and  $-N(R^{12})-$  with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; said aryl and heterocyclic  $R^{10}$  groups are optionally fused to a  $C_6$ - $C_{10}$  aryl group, a  $C_5$ - $C_8$  saturated cyclic group, or a 4-10 membered heterocyclic group; and said alkyl, aryl and heterocyclic  $R^{10}$  groups are optionally substituted by 1 to 3 substituents independently selected from halo, cyano, nitro, trifluoromethyl, trifluoromethoxy, azido,  $-NR^{11}SO_2R^{11}$ ,  $-SO_2NR^{11}R^{12}$ ,  $-C(O)R^{11}$ ,  $-C(O)OR^{11}$ ,  $-OC(O)R^{11}$ ,  $-NR^{12}C(O)R^{11}$ ,  $-C(O)NR^{11}R^{12}$ ,  $-NR^{11}R^{12}$ ,  $C_1$ - $C_6$  alkyl,  $-OR^{11}$  and the substituents listed in the definition of  $R^{11}$ ;

each  $R^{11}$  is independently selected from H,  $C_1$ - $C_{10}$  alkyl,  $-(CH_2)_m(C_6-C_{10} \text{ aryl})$ , and  $-(CH_2)_m(4-10 \text{ membered heterocyclic})$ , wherein  $m$  is an integer ranging from 0 to 4; said alkyl group optionally includes 1 or 2 hetero moieties selected from O, S and  $-N(R^{12})-$  with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; said aryl and heterocyclic  $R^{11}$  groups are optionally

fused to a C<sub>6</sub>-C<sub>10</sub> aryl group, a C<sub>5</sub>-C<sub>8</sub> saturated cyclic group, or a 4-10 membered heterocyclic group; and the foregoing R<sup>11</sup> substituents, except H, are optionally substituted by 1 to 3 substituents independently selected from halo, cyano, nitro, trifluoromethyl, trifluoromethoxy, azido, -C(O)R<sup>12</sup>, -C(O)OR<sup>12</sup>, CO(O)R<sup>12</sup>, -NR<sup>12</sup>C(O)R<sup>13</sup>, -C(O)NR<sup>12</sup>R<sup>13</sup>, -NR<sup>12</sup>R<sup>13</sup>, hydroxy, C<sub>1</sub>-C<sub>6</sub> alkyl, and C<sub>1</sub>-C<sub>6</sub> alkoxy; and,

each R<sup>12</sup> and R<sup>13</sup> is independently H or C<sub>1</sub>-C<sub>6</sub> alkyl.

2. (Previously Presented) A method according to claim 1 wherein said formula 1 has the following structure

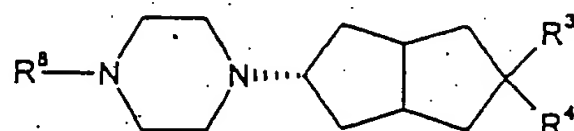


wherein R<sup>3</sup> is -(CH<sub>2</sub>)<sub>t</sub>(C<sub>6</sub>-C<sub>10</sub> aryl) or -(CH<sub>2</sub>)<sub>t</sub>(4-10 membered heterocyclic), R<sup>4</sup> is H or hydroxy, and R<sup>8</sup> is -(CH<sub>2</sub>)<sub>t</sub>(C<sub>6</sub>-C<sub>10</sub> aryl) or -(CH<sub>2</sub>)<sub>t</sub>(4-10 membered heterocyclic), t is an integer ranging from 0 to 5, the foregoing R<sup>3</sup> and R<sup>8</sup> heterocyclic groups are optionally fused to a benzene ring, and said R<sup>3</sup> and R<sup>8</sup> groups are optionally substituted by 1 to 3 R<sup>10</sup> groups.

3. (Previously Presented) A method according to claim 2 wherein R<sup>3</sup> is a heterocyclic group fused to a benzene ring and, optionally, 1 or 2 of the carbon atoms of said

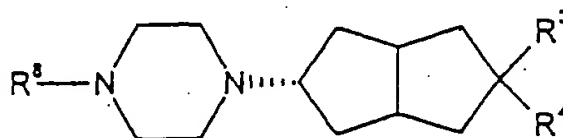
heterocyclic group are replaced with an oxo -C(O)- group.

4. (Previously Presented) A method according to claim 1 wherein said formula 1 has the following structure



wherein R<sup>3</sup> is -O(CH<sub>2</sub>)<sub>t</sub>(C<sub>6</sub>-C<sub>10</sub> aryl) or -O(CH<sub>2</sub>)<sub>t</sub>(4-10 membered heterocyclic), R<sup>4</sup> is H or hydroxy, and R<sup>8</sup> is -(CH<sub>2</sub>)<sub>t</sub>(C<sub>6</sub>-C<sub>10</sub> aryl) or -(CH<sub>2</sub>)<sub>t</sub>(4-10 membered heterocyclic), t is an integer ranging from 0 to 5, and the foregoing R<sup>3</sup> and R<sup>8</sup> groups are optionally substituted by 1 to 3 R<sup>10</sup> groups.

5. (Previously Presented) A method according to claim 1 wherein said formula 1 has the following structure



wherein R<sup>3</sup> and R<sup>4</sup> are taken together with the carbon atom to which each is attached to form a 5-10 membered mono-cyclic or bicyclic group wherein said

cyclic group may be carbocyclic or heterocyclic with 1 to 3 heteroatoms selected from O, S, and -N(R<sup>11</sup>)- with the proviso that two O atoms, two S atoms, or an O and S atom are not attached directly to each other; said cyclic group is saturated or partially unsaturated; aromatic or non-aromatic; 1 or 2 of the carbon atoms in said cyclic group optionally may be replaced by an oxo -C(O)- moiety; and said cyclic group is optionally substituted by 1 to 3 R<sup>10</sup> groups; and R<sup>8</sup> is -(CH<sub>2</sub>)<sub>t</sub>(C<sub>6</sub>-C<sub>10</sub> aryl) or -(CH<sub>2</sub>)<sub>t</sub>(4-10 membered heterocyclic), wherein t is an integer ranging from 0 to 5 and said R<sup>8</sup>, R<sup>3</sup> and R<sup>4</sup> groups are optionally substituted by 1 to 3 R<sup>10</sup> groups.

6. (Currently Amended): A method according to claim 1 wherein the compound is selected from the group consisting of

- (2'<sup>α</sup>,3'<sup>αβ</sup>,5'<sup>α</sup>,6'<sup>αβ</sup>)-5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-hexahydropentalene-2'-one;
- (2'<sup>α</sup>,3'<sup>αβ</sup>,5'<sup>α</sup>,6'<sup>αβ</sup>)-5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-2'-phenyl-octahydro-pentalen-2'ol, maleate salt;
- (2'<sup>α</sup>,3'<sup>αβ</sup>,5'<sup>α</sup>,6'<sup>αβ</sup>)-5'-[4-(4-Cyano-3-fluoro-phenyl)-piperazin-1-yl]-hexahydropentalene-2-one, ethylene ketal;
- (2'<sup>α</sup>,3'<sup>αβ</sup>,5'<sup>α</sup>,6'<sup>αβ</sup>)-5'-[4-(4-Cyano-3-fluoro-phenyl)-piperazin-1-yl]-hexahydropentalene-2-one;
- (2'<sup>α</sup>,3'<sup>αβ</sup>, 5'<sup>α</sup>, 6'<sup>αβ</sup>)-2-Fluoro-4-[4-(5'-hydroxy-5-phenyl-octahydro-pentalen-2'-yl)-pipe[[e]]razin-1-yl]-benzonitrile, maleate salt;
- (2<sup>α</sup>,3<sup>αβ</sup>,5<sup>α</sup>,6<sup>αβ</sup>)-5-Hydroxy-5-phenyl-hexahydro-pentalen-2-one;
- (2'<sup>α</sup>,3<sup>αβ</sup>,5'<sup>α</sup>,6'<sup>αβ</sup>)-5'-[4-(2-Methoxy-phenyl)-piperazin-1-yl]-2'-phenyl-

octahydro-pentalen-2'ol, maleate salt;

(2'α,3'aβ,5'α,6'aβ)-5'-[4-(4-Fluoro-1-pyrimidyl)-piperazin-1-yl]-2'-(4-fluoro-phenyl)-octahydro-pentalen-2'ol, maleate salt;

(2'α,3'aβ,5'α,6'aβ)-5'-[4-(4-Cyano-3-fluoro-phenyl)-piperazin-1-yl]-2'-(4-fluoro-phenyl)-octahydro-pentalen-2'ol, maleate salt;

(2'α,3'aβ,5'α,6'aβ)-5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-2'-(4-fluoro-phenyl)-octahydro-pentalen-2'ol, maleate salt;

(2'α, 3'aβ, 6'aβ)-1 -(4-Fluoro-phenyl)-4-(5'-phenyl-1',2',3',3'a,4',6'a-hexahydro-pentalen-2-yl)-piperazine dihydrochloride;

(2'α,3'aβ, 6'aβ)-5-Fluoro-2-[4-(5'-phenyl-1',2',3',3'a,4',6'a-hexahydro-pentalen-2'-yl)-3piperazin-1-yl]-pyrimidine maleate;

(2'α,3'aβ,6'aβ)-2-Fluoro-4-[4-(5'-phenyl-1',2',3',3'a,4',6'a-hexahydro-pentalen-2-yl)-piperazin-1-yl]-benzonitrile, maleate;

(2'α, 3'aβ, 6'aβ)-2-Fluoro-4-{4-[5-(2-methoxy-phenyl)-1',2',3',3'a,4',6'a-hexahydro-pentalen-2-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 6'aβ)-1-Phenyl-4-(5'-phenyl-1',2',3',3'a,4',6'a-hexahydro-pentalen-2'-yl)-piperazine, dimaleate;

(2'α, 3'aβ, 5'α, 6'aβ)-1 -(4-Fluoro-phenyl)-4-(5'-phenyl-octahydro-pentalen-2'yl)-piperazine, dihydrochloride;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(5'-phenyl-octahydro-pentalen-2'-yl)-piperazin-1-yl]-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(5'-phenyl-octahydro-pentalen-2'-yl)-piperazin-1-yl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-1-Phenyl-4-(5'-phenyl-octahydro-pentalen-2'-yl)-  
piperazine, maleate;

(2'α,3'aβ,5'α,6'aβ)-5'-Hydroxy-5-(2-trifluoromethyl-phenyl)-  
hexahydro-pentalen-2'-one;

(2'α,3'aβ,6'aβ)-5'-(2-trifluoromethyl-phenyl)-3,3a,4,6a-tetrahydro-1H-  
pentalen-2'-one, ethylene ketal;

(2'α,3'aβ,5'α,6'aβ)-5'-(2-Trifluoromethyl-phenyl)-hexahydro-1H-  
pentalen-2'-one, ethylene ketal;

(2'α,3'aβ,5'α,6'aβ)-5'-(2-Trifluoromethyl-phenyl)-hexahydro-1H-  
pentalen-2'-one;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(2-trifluoromethyl-phenyl)-  
octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(2-methoxy-phenyl)-octahydro-  
pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-{4-[5'-(2-methoxy-phenyl)-octahydro-  
pentalen-2'-yl]-piperazin-1-yl}-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(3-methoxy-phenyl)-octahydro-  
pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(4-methoxy-phenyl)-octahydro-  
pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(5'-o-tolyl-octahydro-pentalen-2'-  
yl)-piperazin-1-yl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(5'-o-tolyl-octahydro-pentalen-2'-

yl)-piperazin-1-yl]-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Chloro-2-{4-[5'-(2-methoxy-phenyl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Chloro-2-[4-(5'-o-tolyl-octahydro-pentalen-2'-yl)-piperazin-1-yl]-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-(5'-(2-methanesulfonyl-phenyl)-octahydro-pentalen-2'-yl)-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'a, 6'aβ)-1-Phenyl-4-[5'-(3-pyrrolidin-1-yl methyl-phenyl)-octahydro-pentalen-2'-yl]-piperazine, dimaleate;

5-Trimethylstannayl-3,3a,4,6a-tetrahydro-1H-pentalen-2-one, ethylene ketal;

5-(2-Cyano-phenyl)-3,3a,4,6a-tetrahydro-1H-pentalen-2-one;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Cyano-4-{4-[5'-(2-fluoro-phenyl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(2-trifluoromethoxy-phenyl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-{4-[5'-(2-fluoro-phenyl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(5'-pyridin-2-yl-octahydro-pentalen-2'-yl)-piperazin-1-yl]-benzonitrile, dihydrochloride;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(5'-m-tolyl-octahydro-pentalen-2'-yl)-piperazin-1-yl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(5'-p-tolyl-octahydro-pentalen-2'-

yl)-piperazin-1-yl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-N-(2-{5-[4-(5-Fluoro-pyrimidin-2-yl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-phenyl)-acetamide, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-N-(2-{5'-[4-(4-Cyano-3-fluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl)-phenyl)-acetamide, maleate;

5-(2-Cyano-phenyl)-3,3a,4,6a-tetrahydro-1H-pentalen-2-one, ethylene ketal;

2-(5-Oxo-octahydro-pentalen-2-yl)-benzamide, ethylene ketal;

(2'α, 3'aβ, 5'α, 6'aβ)-2-{5'-[4-(4-Cyano-3-fluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl)-benzamide, maleate;

(2'α, 3'aβ, 5'α, 6'αβ)-2-Fluoro-4-[4-(3', 3'a, 4', 5', 6'a-hexahydrospiro[isobenzofuran-1 (3H), 2'(1'H)-pentalen]-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-Fluoro-4-[4-(3', 3'a, 4', 5', 6', 6'a-hexahydrospiro[isobenzofuran-1 (3H), 2'(1'H)-pentalen]-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(3', 3'a, 4', 5', 6', 6'a-hexahydrospiro[isobenzofuran-1 (3H), 2'(1'H)-pentalen]-5'-yl)-piperazin-1-yl]-pyrimidine;

(2'β, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(3', 3'a, 4', 5', 6', 6'a-hexahydrospiro[isobenzofuran-1 (3H), 2'(1'H)-pentalen]-5'-yl)-piperazin-1-yl]-pyrimidine;

(2'α, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(3', 3'a, 4', 5', 6', 6'a-hexahydro-

3'a,6'a-dimethylspiro[isobenzofuran-1(3H), 2'(1'H)-pentalen]-5'-yl)-piperazinyl]-pyrimidine, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-5-Fluoro-2-[4-(3', 3'a, 4', 5', 6', 6'a-hexahydro-3'a,6'a-dimethylspiro[isobenzofuran-1(3H), 2'(1'H)-pentalen]-5'-yl)-1-piperazinyl]-pyrimidine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(3, 3', 3'a, 4, 4', 5', 6', 6'a-hexahydrospiro[2H-1-benzopyran-2,2'(1'H)-pentalen]-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-Fluoro-4-[4-(3, 3', 3'a, 4, 4', 5', 6', 6'a-hexahydrospiro[2H-1-benzopyran-2,2'(1'H)-pentalen]-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-1-Phenyl-4-(3, 3', 3'a, 4, 4', 5', 6', 6'a-hexahydrospiro[2H-1-benzopyran-2,2'(1'H)-pentalen]-5'-yl)-5'-yl)-piperazine, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-1-Phenyl-4-{3, 3', 3'a, 4, 4', 5', 6, 6'a-hexahydrospiro[2H-1-benzopyran-2,2'(1'H)-pentalen]-5'-yl]-5'-yl)-piperazine, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(3, 3', 3'α, 4, 4', 5', 6', 6'a-hexahydrospiro[2H-6-fluoro-1-benzopyran-2,2'(1H)-pentalen]-5'-yl)-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-2-Fluoro-4-[4-(3, 3', 3'a, 4, 4', 5', 6', 6'a-hexahydrospiro[2H-6-fluoro-1-benzopyran-2,2'(1H)-pentalen]-5'-yl)-5'-yl)-1-piperazinyl]-benzonitrile, maleate;

(2α,3aβ,5α,6aβ)-5-Benzylamino-hexahdropentalen-2-one, mono -

ethylene ketal; (2 $\alpha$ ,3 $\alpha$  $\beta$ ,5 $\alpha$ ,6 $\alpha$  $\beta$ )-5-Amino-hexahydropentalen-2-one, mono -ethylene ketal;

(2 $\alpha$ ,3 $\alpha$  $\beta$ ,5 $\alpha$ ,6 $\alpha$  $\beta$ )-5-(5-Fluoro-2-nitro-phenylamino)-hexahydropentalen-2-one, mono -ethylene ketal;

(2 $\alpha$ ,3 $\alpha$  $\beta$ ,5 $\alpha$ ,6 $\alpha$  $\beta$ )-5-(2-Amino-5-fluoro-phenylamino)-hexahydropentalen-2-one, mono -ethylene ketal;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-2-Fluoro-4-{4-[5'-(6-fluoro-2-oxo-2,3-dihydro-benzoimidazol-1-yl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, dimesylate;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-2-Fluoro-4-{4-[5'-(2-oxo-2,3-dihydro-benzoimidazol-1-yl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, mesylate;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-1-{5'-[4-(5-Fluoro-pyrimidin-2-yl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-1,3-dihydro-benzoimidazol-2-one, mesylate;

(2 $\alpha$ ,3 $\alpha$  $\beta$ ,5 $\alpha$ ,6 $\alpha$  $\beta$ )-5-(6-Fluoro-2-methyl-benzoimidazol-1-yl)-hexahydropentalen-2-one;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-2-Fluoro-4-{4-[5'-(6-fluoro-2-methylbenzimidazol-1-yl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-benzonitrile, dimesylate;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-6-Fluoro-2-methyl-1-[5'-(4-phenyl-piperazin-1-yl)-octahydro-pentalen-2'-yl]-1H-benzoimidazole, dimaleate;

(2 $\alpha$ , 3 $\alpha$  $\beta$ ,6 $\alpha$  $\beta$ )-5-(1H-Indol-3-yl)-3,3a,4,6a-tetrahydro-1H-pentalen-2-one, mono-ethylene ketal;

(2' $\alpha$ , 3' $\alpha$  $\beta$ , 5' $\alpha$ , 6' $\alpha$  $\beta$ )-2-Fluoro-4-{4-[5'-(1H-indol-3-yl)-octahydro-

pentalen-2'-yl]-piperazin-1-yl)-benzonitrile, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-3-[5'-(4-Phenyl-piperazin-1-yl)-octahydro-pentalen-2'-yl]-1H-indole, maleate;

(2α,3aβ,6aβ)-5-(4-Fluoro-phenoxy)-hexahydro-pentalen-2-one;

(2'α, 3'aβ, 5'β, 6'aβ)-1-[5'-(4-Fluoro-phenoxy)-octahydro-pentalen-2'-yl]-4-phenyl- piperazine, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-Fluoro-4-{4-[5'-(4-fluoro-phenoxy)-octahydro-pentalen-2'-yl]- piperazin-1-yl}-benzonitrile, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-5-Fluoro-2-{4-[5'-(4-fluoro-phenoxy)-octahydro-pentalen-2'-yl]-piperazin-1yl}-pyrimidine, maleate;

(2'β, 3'aβ, 5'β, 6'aβ)-1-[5'-(4-Fluoro-phenoxy)-octahydro-pentalen-2'-yl]-4-phenyl-piperazine, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-[5'-(4-Phenyl-piperazin-1-yl)-octahydro-pentalen-2'-yl]-isoindole-1,3-dione maleate;

(2'α,3'aβ,5'a,6'aβ)-5-Hydroxy-hexahydro-pentalen-2-one, ethylene ketal;

(2'α,3'aβ,5'α,6'aβ)-2-Oxo-3-(5-oxo-octahydro-pentalen-2-yl)-2,3-dihydro-benzoimidazole-1-carboxylic acid tert-butyl ester, ethylene ketal;

(2'α,3'aβ,5'α,6'aβ)-2-(5-oxo-octahydro-pentalen-2-yloxy)-3H-benzoimidazole-1-carboxylic acid tert-butyl ester, ethylene ketal;

(2'β, 3'aβ, 5'α, 6'aβ)-3-{5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-2-oxo-2,3-dihydro-benzoimidazole-1-carboxylic acid tert-butyl ester;

(2'β, 3'aβ, 5'α, 6'aβ)-1-{5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-1,3-dihydro-benzoimidazol-2-one, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-Fluoro-4-{4-[5'-(2-oxo-2,3-dihydro-benzoimidazol-1-yl)-octahydro-pentalen-2'-yl]-piperazin-1-yl)-benzonitrile, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-1-{5'-[4-(3,4-Difluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-1,3-dihydro-benzoimidazol-2-one, maleate;

(2'β, 3'aβ, 5'a, 6'aβ)-2-[5'-(4-Phenyl-piperazin-1-yl)-octahydro-pentalen-2'-yloxy]-1H-benzoimidazole, maleate;

(2'α, 3'aβ, 5'α, 6'aβ)-2-(5-Oxo-octahydro-pentalen-2-yl)-isoindole-1,3-dione;

(2'α, 3'aβ, 5'β, 6'aβ)-2-[5'-(4-Phenyl-piperazin-1-yl)-octahydro-pentalen-2'-yl]-isoindole-1,3-dione, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-4-{4-[5'-(1,3-Dioxo-1,3-dihydro-isoindol-2-yl)-octahydro-pentalen-2'-yl]-piperazin-1-yl}-2-fluoro-benzonitrile, maleate;

(2'α, 3'aβ, 5'β, 6'aβ)-2-{5'-[4-(5-Fluoro-pyrimidin-2-yl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-isoindole-1,3-dione, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-2-{5'-[4-(3,4-Difluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-isoindole-1,3-dione, maleate;

(2'β, 3'aβ, 5'α, 6'aβ)-2-{5'-[4-(4-Fluoro-phenyl)-piperazin-1-yl]-octahydro-pentalen-2'-yl}-isoindole-1,3-dione, maleate; and,

(2'β, 3'aβ, 5'α, 6'aβ)-N-[5-(4-Phenyl-piperazin-1-yl)-octahydro-pentalen-2-yl]-benzamide, maleate.

7. – 16. (Cancelled).